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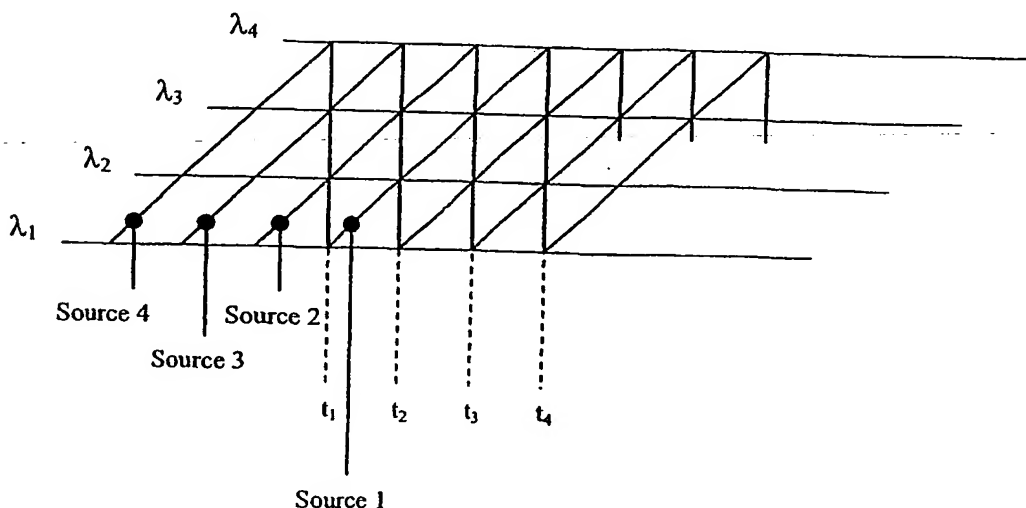
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(54) Title: A COMMUNICATIONS SYSTEM



(57) Abstract: In a telecommunication system, channels of information are modulated onto respective carriers (Sources 1, 2, 3, 4) that are swept repeatedly across a frequency range in a time-staggered fashion so that, at any one time ( $t_1$ ,  $t_2$ ,  $t_3$  or  $t_4$ ), each carrier is at a different frequency ( $\lambda_1$ ,  $\lambda_2$ ,  $\lambda_3$   $\lambda_4$ ). The carriers are multiplexed onto a single communications link and separated, on reception, by filters swept in synchronism so as to de-multiplex the signals.

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WO 2004/109960 A1